

# SC/UPC to SC/UPC Single Mode Fiber Optic Cable

This is a single mode fiber optic cable with SC/UPC connectors on both ends. The cable is designed for high-speed data transmission in telecommunications and networking applications.



## Product Overview

### High-Performance Single Mode Connectivity

This 9/125µm OS2 single-mode bend-insensitive fiber optic cable is engineered for high-density cabling environments, including data centers and enterprise networks. It supports reliable 1G/10G/40G/100G Ethernet connections with low attenuation across long distances. The cable features specialized G.657.A1 bend-insensitive fiber, ensuring efficient maintenance and space-saving installation.

## Optical Performance

### Transmission Capabilities

**0.3 dB**

Max Insertion Loss

**50 dB**

Min Return Loss

**10 mm**

Min Bend Radius

## Technical Specifications

### Fiber and Cable Parameters

Parameter	Value
Fiber Mode	OS2 9/125µm
Fiber Grade	G.657.A1
Fiber Count	Duplex
Jacket Material	PVC
Cable Diameter	2.0mm

Connectors and Polarity	SC/UPC, SC/UPC, Polarity A(Tx) to B(Rx)
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## Environmental Requirements

Operating Temperature	-20 to 70°C
Storage Temperature	-40 to 80°C